

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions of claims in the application:

1. (Currently amended): Electronic and mechanical device, integrated into a watch or wrist band, displaying solar and lunar ephemeris at the planet scale, ~~characterized in that it offers comprising at least one visualization selected among the following possibilities:~~

~~the first visualization,~~ (i) a solar display comprising an image display [[,]] which that displays all along the year the evolution of the duration of the day and of the night according to solar or legal time on an LCD display, wherein the solar display comprises an annular LCD screen placed at a periphery of a dial of the watch that displays the duration of the night along the annular LCD screen between a sunset time and a sunrise time, and

~~the second visualization, a numerical display, displays on a window the sunset time only,~~

~~wherein, in order to give the watch a complete astronomical character,~~ (ii) a lunar display comprising a mechanical or electronic part image display that displays the phases of the moon at the scale of the two hemispheres, wherein the lunar display is located at a center portion of the dial of the watch defined by the annular screen.

2. (Currently amended): Device according to claim 1, wherein the ~~imaged~~ solar display, without any number, is ~~obtained via a circular LCD screen~~ placed at the periphery of a 24 hour

dial of the watch, with a dark portion representing the night extending on both sides of midnight at regular intervals of 5 minutes, but at irregular day intervals, as a function of these 5 minutes.

3. (Currently amended): Device according to claim 2, wherein the 24 hour dial has each hour divided in 12 intervals by 6 bars thickened to the dimension of the spaces, so that the 12 intervals are represented by 6 black spaces alternated with 6 white, ~~the whole being now very legible and visible.~~

4. (Currently amended): Device according to claim 1, wherein a system, which enables the microprocessor to place and keep every day the image of the night within the programmed limits, ~~implicates a symbol as a function of values of a parallel (60°N) and, a day's date, these two pieces of information implicating a third one: and the sunset time, on that day on that parallel, if at noon in that location the sun is at its zenith, according to a time schedule, immutable for centuries, being transmitted by a decoder toward a microprocessor via a code.~~

5. (Currently amended): Device according to claim 4, wherein there are 144 code numerals, synonymous to ~~the~~ 5 minute time periods, in order to be able to satisfy the ephemeris at the polar circle, the sunrise time being placed automatically in full symmetry with the sunset time, ~~at the~~ according to a solar time.

6. (Currently amended): Device according to claim 4, wherein, ~~as the time schedules dictated by the symbol of the selected parallel give the exact time only at the intersection of that parallel and the time reference meridian, the~~ further comprising a lateral pressure push button that corrects a difference shown between the display on the ~~screens~~ screen and the ~~reality time~~ of a real sunset at any other location ~~is correctable by a lateral pressure push button.~~

7. (Currently amended): Device according to claim 1, wherein a winding mechanism is adapted, in order to have in the southern hemisphere the same evolution toward a “new moon” but in an aspect as seen from a mirror, at each passage across the equator, to reverse ~~the~~ a rotation direction of a black double cache, by pulling or pushing the winding mechanism, then by screwing or unscrewing it, so as to go directly from ~~the~~ a North phase to ~~the~~ a South phase, or reciprocally.

8. (Currently amended): Device according to claim 1, wherein ~~some~~ additional complications are located into the wristband.

9. (Previously presented): Device according to claim 6, wherein the push button is adapted such that an extended pressure triggers the process, short hits toward noon provide the correction, and a last extended pressure confirms it.